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(54) Title: METHODS OF DIAGNOSING AND TREATING DIABETES AND INSULIN RESISTANCE

(57) Abstract: The present invention provides compositions and methods for diagnosing and treating diabetes and insulin resistance. In particular, the invention provides methods of identifying modulators of the polynucleotides or polypeptides of the invention and using those modulators to treat diabetes, as well as methods of diagnosing diabetes by measuring the levels of the polynucleotides or polypeptides of the invention in a patient.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A01N 43/04; A61K 31/70; G01N 33/53

US CL : 514/44, 866; 435/7.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/44, 866; 435/7.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONEElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST, Medline, Caplus, Biosis, Embase**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00/00506 A2 (SAGAMI CHEMICAL RESEARCH CENTER) 06 January 2000, see entire document.	1-28
Y	WO 01/57221 A2 (CEPTYR, INC.) 09 August 2001, see entire document.	1-28
Y	WO 01/97850 A2 (SCHERING AKTIENGESELLSCHAFT) 27 December 2001, see entire document.	1-28
Y	KOLLE, G. et al. GRIM1, a Novel Gene Encoding a Cysteine-rich Repeat Protein, is Developmentally Regulated and Implicated in Vertebrate CNS Development and Organogenesis. Mech. Dev. February 2000, Vol. 90, pages 181-193, see entire document.	1-28
Y	LI, D., et al. Human Protein Tyrosine Phosphatase-Like Gene: Expression Profile, Genomic Structure, and Mutation Analysis in Families with ARVD. Gene. October 2000, Vol. 256, pages 237-243, see entire document.	1-28

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex

* Special categories of cited documents:	
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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